



SUPERMAN

COMPLIMENTS OF
Radio Shack
The biggest name in little computers™



SPECIAL GUEST-STAR

SUPERGIRL

LOOK! UP IN
THE SKY! IT'S
SUPERMAN...
FLYING OFF
TO SAVE
SUPERGIRL!



LET'S HELP HIM
OUT--WITH OUR **TRS-80**
MICROCOMPUTER!



**"VICTORY BY
COMPUTER"**

★ STARRING ★



The **TRS-80** COMPUTER
WHIZ KIDS

Prepare for Tomorrow With a Radio Shack TRS-80TM Color Computer Today! Only \$399

4K Memory, #26-3001

Radio Shack

The biggest name in little computersTM

Retail prices may vary at individual stores and dealers.

Step into the exciting future world of computers right now with Radio Shack's versatile TRS-80 Color Computer! Just plug-in a Program PakTM and you're set for thrilling electronic fun! Battle starships in outer space or challenge the computer at chess! And our Color Computer does much more than just play games. Mom and Dad can use it to keep track of family expenses. In fact, everyone will love discovering the many fascinating, helpful, and educational ways they can put their very own personal computer to work or play!

In no time, you'll be writing programs in easy-to-learn BASIC — creating vivid graphics displays with spectacular color and sound. Plus, you can easily expand a-m-d with more memory space, or even add accessories that let you "talk" to other computers!

The TRS-80 Color Computer attaches to any color TV, including our own 13" Color Video Receiver (#26-3010, \$399). And with a pair of joysticks (#26-3008, \$24.95) you can give faster, more realistic action to games and your own programs.

Start preparing for your future now with the Radio Shack TRS-80 Color Computer!





SUPERMAN IN "VICTORY BY COMPUTER" (1986 Edition) published by DC COMICS INC., 75
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LET'S VISIT A CERTAIN SUBURBANY SCHOOL CLASSROOM ON THE OUTSKIRTS OF AMERICA... WHERE A RECESS HAS BEEN CALLED...







JUST WHAT
CAN THAT
SO-CALLED
POWER
CONSUMER
DO AUTOMATICALLY

IT CAN DO ALMOST ANY OF THE SMALLER JOBS THE "TABLE-TOP" PERSONAL MICROCOMPUTER CAN DO.



"It can solve about as many problems as the old room-sized computers of the late 1950's."



SOON!
THEY'RE
HURRYING AND
HURRYING
THAN A
POCKET
OF THE STAY

RE: ALEC - BR-
THIR GROUP RE-
PROJECT FORMATION
CAN DO PART
HAPPY



IT CAN DELIVER AND
REVIEW WORD ANALYSIS
INFORMATION, MAKE
COMPARISONS, ALMOST
INSTANTLY.

AND THEY'RE
JUST AS EASY
TO APPROACH
AS THE LARGEST
THE-ATRE



AND IT "SPEAKS BASIC" -- THE MOST COMMON COMPUTER LANGUAGE AND THE EASIEST TO LEARN!

NOW TO DEMONSTRATE SOME OF THE PROBLEMS THESE Tiny COMPUTERS CAN SOLVE--

100



1. For a description of
"PROBABLE" - and other
adjective-noun pairs
- see the glossary on
p. 101.



SORRY, BOYS
AND GIRLS...

YOU'RE GOING
TO HAVE TO EXCUSE
ME FOR A MINUTE!



GOSH, THE
WAY OF
STREET
CUTS OUT
ON US--
JUST WHEN
IT WAS
STARTING
TO GET
INTERESTING!

SUPERMAN
WOULDN'T
HAVE ASKED
IN SUCH A
TERRIFIC
MANNER
UNLESS HE
HAD AN
AWFULLY
GOOD
REASON!

YOU'RE
ALSO--
LOVELY
MIGHT, THANKS!



ALL THE WHILE MY COUSIN SUPERMAN
WAS TALKING TO YOU, HE WAS CONSTANTLY
EXAMINING THE SKIES WITH HIS SUPER-
VISION AND SUPER-HEARING--

--ON THE LOOKOUT
FOR TROUBLE?

LOOKS LIKE HE
FOUNDED WHAT HE
WAS LOOKING FOR!

WOULDN'T I
SUPPOSE A SUPER-
PERSON'S WORK
IS NEVER
DONE!



WHICH IS WHY
SUPERMAN ASKED
ME TO COME
ALONG ON THIS
VISIT TO YOUR
CLASS--

--SO I COULD HELP
BRING YOU UP TO DATE ON
COMPUTERS AND HOW
THEY'RE BEING USED!

I HOPE YOU
DON'T MIND--



ARE YOU
KIDDING?

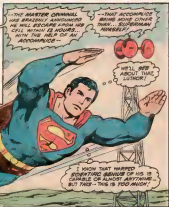
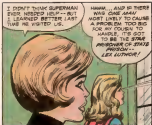
NOW COULD HE FIND
HAVING THE MOST
GIFTED OF EARTH AS A
GUEST IN OUR CLASSROOM?

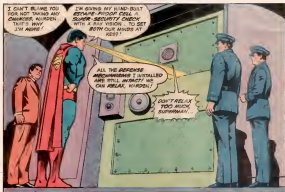
IT'S CHARMING
SOUNDING AFTER
ALL YOURS!



THIS IS ABOVE AND
BEYOND THE CALL OF
DUTY, SUPERMAN! WE
REALLY
APPRECIATE IT!

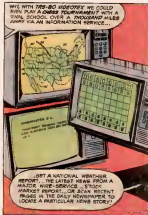
MY PLEASURE! JUST
BETWEEN US, I'M A
TEACHER AND STUDENT
ADVISEE IN MY SECRET
IDENTITY! SO I'M PRETTY
CONFORMABLE IN A
CLASSROOM!



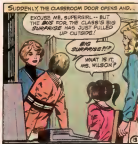
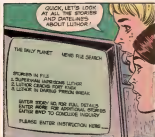














BUT WHILE THE TOUR GETS UNDERWAY LET'S CHECK BACK ON THE ROAD OF NIGHT AS SHE ROCKETED OFF.

I JUST ADMIT IT WAS FUN GETTING BACK INTO TEACHING AGAIN, IF ONLY FOR AN HOUR OR SO!

AND AS ANXIOUS AS I AM TO JOIN THE STUDENTS AT THE MUSEUM...

I PROMISED SUPERMAN I'D TAKE TIME OUT FOR A QUICK AMBUSH OF THE METROPOLIS AREA FOR HIM IN CASE HE GETS TIED UP *RESEARCHING!*

HAHA... NOW THAT'S COOL...



MY SUPER-VISION IS PICKING UP DANGEROUS MICROWAVED BEAMS BEAMING INTO THE SKY FROM THE ROOF OF THAT SOLAR-POWERED HOUSE!

THE NAVIGATION INSTRUMENTS OF ANY AIRCRAFT PASSING THROUGH THAT BEAM WOULD BE SOBBY DAMAGED!



MY FIRST STOP WILL BE TO DEACTIVATE THAT ANTENNA -- WHILE I TAKE AN X-RAY PEAK INSIDE THAT HOUSE TO FIND OUT WHO IS DOING THE ILLLEGAL BROADCASTING!



BUT EVEN BEFORE SUPERGIRL'S PLUNKY VISION CAN PROBE THE WALLS OF THE HOUSE...

GREAT SURPRISE! THE SOLAR PANELS SUDDENLY SHIFTED FROM YELLOW...

...TO RED!







FOR WHICH THE
TRIO HAS JOINTLY
AWARDED THAT YEAR'S
ACADEMY AWARD IN
PHYSICS!

CLAP
CLAP
CLAP



HOW MOVING
RIGHT ALONG...
YOU SEE GREAT
AHEAD-OF-ITS-TIME
SHOW YOU THE
RELATIVE SIZE OF
THE PROCESSOR
COMPARED TO THE
BULKY RADIO TUBE
IT REPLACED!

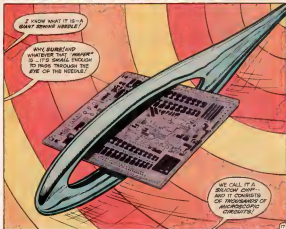
THE DRAMATIC
DIFFERENCE
MARKED THE BIRTH
OF THE AGE OF
MINIATURIZATION!



AND TO DEMONSTRATE
JUST HOW AHEAD THE
SCIENCE OF MINIATURIZA-
TION HAS PROGRESSSED IN
THREE DECADES...

I WANT
EVERYONE
TO TAKE A
LOOK AT THIS
NEXT
EXHIBIT!

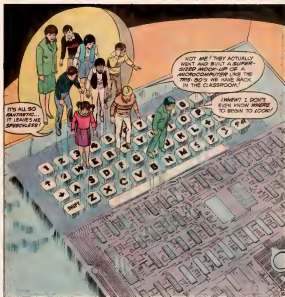
HEY...
SOMETHING
FAMILIAR
ABOUT THAT
SILVER
OBJECT!



I KNOW WHAT IT IS—A
SMART BROWNE NEEDLE!

WHY BROWNE?
WHATEVER THAT "NEEDLE"
IS...IT'S SMALL ENOUGH
TO PASS THROUGH THE
EYE OF THE NEEDLE!

WE CALL IT A
SILICON CHIP...
AND IT CONSISTS
OF THOUSANDS OF
MICROSCOPIC
CIRCUITS!



WHY NOT START WITH A SIMPLEST COMPONENT WE'VE ALREADY SEEN -- THE MEMORY CHIP?

THERE IT IS, JUST DOWN THERE!

HOW DOES IT FUNCTION INSIDE THE COMPUTER?



JUST AS THE HUMAN BRAIN IS CONSTANTLY PROCESSING INFORMATION... DECODING INPUT* AND ACTING ON ITS CONTENT...

...SO DOES THE SILICON CHIP WE CALL IT A MICROPROCESSOR!

MOST HOME COMPUTERS ARE DESIGNED TO ACCEPT INPUT COMBINATIONS OF EIGHT BINARY DIGITS* AT ONE TIME!

HOW BRICKS OR THESE ONES AND ZEROES STRUNG TOGETHER ARE CALLED A BYTE*

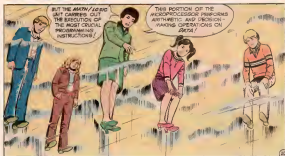
EACH BYTE CARRIES ENOUGH INFORMATION TO REPRESENT A PAGE OF USEFUL DATA OR WORD OF INSTRUCTION TO THE MICROPROCESSOR!



HOW DOES THE COMPUTER MANAGE TO REMEMBER ALL THE DATA THAT IS FED INTO IT?

A VERY GOOD QUESTION! HOW THE HUMAN BRAIN REMEMBERS INFORMATION IS STILL PRETTY MUCH A MYSTERY...

AND IT'S STILL A LITTLE MYSTERIOUS ABOUT HOW A COMPUTER DOES IT!



AND NOW IF YOU STUDENTS WILL BE KIND ENOUGH TO ACCOMPANY ME INTO THE ASBY CHAMBER, WE'LL PROCEED FROM THE INTERIOR COMPONENTS TO THE MORE EASILY RECOGNIZABLE EXTERIOR FEATURES OF A MICROCOMPUTER!



A MOMENT LATER,
TO EVERYONE'S AME
AND DELIGHT...

HI THERE I'M YOUR
TRS-80 MODEL III
MICROCOMPUTER

WE'RE STANDING
ON THE KEYBOARD,
WHICH SERVES AS
ONE SOURCE OF
AMUSEMENT...

NOW! IT'S JUST LIKE
THE MICROCOMPUTER
WE HAD BACK IN THE
CLASSROOM... ONLY
THIS BABY IS A
HUNDRED TIMES
LARGER!

"WHILE I'M STANDING
IN FRONT OF THE VIDEO
DISPLAY MONITOR, WHICH
PLOTS THE OUTPUT...

THERE'S A TRS-80
MODEL II COMPUTING
SYSTEM FOR RECORDS,
MANAGEMENT, WORD-
PROCESSING WITH "WORDFIT"
SOFTWARE, OR BUSINESS
ACCOUNTING SYSTEMS.

AND AS THE WIDE-EYED STUDENTS PROCEEDED TO FOLLOW THEIR GUIDE ON THE FINAL LEG OF THE TOUR...



"AND IT'S THE KIND OF MICROCOMPUTER TECHNOLOGY YOU'VE BEEN SEEING WHICH MADE THE RECENT POSSIBLE FLY BY FIRST GARDEN SUCH A REALITY!"

"SURE! IT WAS MICRO-COMPUTERS THAT MADE IT POSSIBLE TO SEE THOSE GREAT PHOTOGRAPHS OF SATURN'S RINGS!"

BUT WHAT'S HAPPENED TO MR. HANSON DURING THE COURSE OF OUR FANTASTIC TOUR? LET'S SHIFT TO THE MUSEUM LOBBY—WHERE A LOANED VISITOR HAS ARRIVED...

"AS SHE TOOK OFF, SUPERMAN MENTIONED SHE HAD TO TAKE CARE OF SOME BUSINESS FOR MOM—ALTHOUGH SHE DID PROMISE TO JOIN US HERE!"

"THAT'S WHAT PROMISES ME..."

BUT AS YOU CAN SEE...SO FAR, NO SUPERMAN!

...SUPERMAN WOULD NEVER BREAK A PROMISE TO THE STUDENTS...NOT UNLESS SOMETHING CRITICAL CROSSED HER PATH FIRST!



SUREBUT...YOU DON'T SUPPOSE SHE'S RUN INTO SOME SORT OF TROUBLE?

ANY KIND OF TROUBLE THAT COULD SLOW SUPERMAN DOWN WOULD HAVE TO BE A MAJOR CRISIS INDEED, MR. WILSON!

I'M SETTING OUT ON A RAPID SEARCH ACROSS METROPOLIS TO SEE IF I CAN TURN UP ANY LEADS!



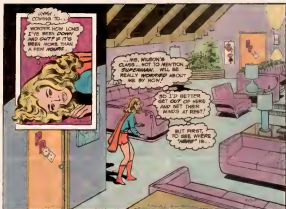
I'LL CHECK BACK WITH YOU LATER!

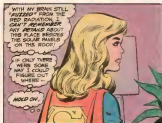
MEANWHILE, LET US RETURN TO THE SCENE OF AN IMPOSSIBLE PRIVATE ESTATE SEVERAL MILES OUTSIDE THE CITY LIMITS...

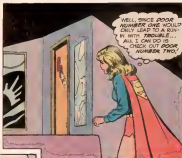
...WHERE WE LAST SAW THE BOYL OF STEEL MYSTERIOUSLY PLUNGING...

...AND POWERLESS!











BUT WITH ANY
LICK IT WILL
PUT OFF!

HMM! LOOKS
LIKE I'VE WALKED
INTO SOME SORT
OF PLEASANT
ROOM!

THIS PLACE IS
A VIRTUAL "PALACE"
OF ALL THE
LATEST IN
ELECTRONIC
EQUIPMENT AND
GADGETRY!



PALACE... THAT'S IT! THE "VAP"
STANDS FOR VIRTUAL PALACE!
I DEFINITELY REMEMBER THE
NAME TURNING UP IN
SOME RECENT
READINGS!

IF I COULD
ONLY REMEM-
BER MORE
DETAILS...
I MIGHT BE
ABLE TO
RECALL
SOMETHING
THAT WOULD
HELP ME FIND
A WAY OUT
OF HERE!

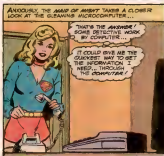


AND
TWO - AN
EXPERIMENT
CHIEF
GLIDES
ACROSS THE
EQUIPMENT-
FILLED
ROOM - SHE
SEES A
GLIMMER
OF HOPE!



GREAT GALAXES! I DON'T
BELIEVE IT! NESTLED IN BETWEEN
ALL THESE FANTASTIC ELECTRONIC
WONDER- GADGETS...

"A TWO-80 COLOR
COMPUTER" WITH A
TELEPHONE TO BOOT!



ANNOYED, THE AMM OF AMMY TAKES A CLOSER
LOOK AT THE GLEAMING MICROCOMPUTER...

THAT'S THE ANSWER!
SOME DETECTIVE WORK
BY COMPUTER...

IT COULD GIVE ME THE
QUICKEST WAY TO GET
THE INFORMATION I
NEED... THROUGH
THE COMPUTER!



OF COURSE, I COULD CALL UP THE
POLICE... BUT THEY MIGHT MISTAKE
ME FOR A CRIMINAL CALLER, SINCE
I CAN'T PROVE OVER THE
PHONE I'M THE REAL
SUPERHERO!

ON THE OTHER
HAND I CAN LET
THE TWO-80
COLOR COMPUTER
AT THE SCHOOL DO
SOME SUPER-
FAST DETECTIVE
WORK FOR ME...



THE DAILY PLANET NEWS FILE SEARCH

THE PURPLE PALACE

ORGANIZED CRIME

JOE KENZIL MOB-
GAMBLING OPERATIONS

STORIES ON FILE:

1. SUPERMAN UNCOVERS DOPE AND GAMBLING OPERATIONS
2. PURPLE PALACE CLOSED DOWN-
EXPOSED AS FRONT FOR MOB

NOW! ONE OF THESE
NEWS STORIES MAY GIVE
SUPERGIRL THE CLUE
SHE NEEDS TO MAKE
HER ESCAPE FROM
THE PURPLE PALACE!

WAIT A
MINUTE!
COMING UP
IN THE SECOND
ARTICLE...



... THERE -- THE
LOCATION OF THE
PURPLE PALACE WAS
42 BRADY GATE LANE!
NOW WE KNOW WHERE
SUPERGIRL IS BEING
HELD PRISONER!

I'VE JUST
DIALED THE
PHONE NUMBER
SHE LEFT
WITH ME

I JUST HOPE
WE'RE GETTING
THIS INFORMATION
TO SUPERGIRL
IN TIME TO
HELP HER
ESCAPE!



AND QUICKER THAN SHE EXPECTED,
SUPERGIRL'S PHONE STARTS RINGING...

SUPERGIRL,
HERE IS THE
INFORMATION
YOU WANTED.



OF COURSE... THAT'S
WHAT MY FLIPPED
MEMORY COULDN'T
RECALL -- THIS IS
WHERE THE JOKER
USED TO RUN THEIR
BIGGEST GAMBLING
RACKET!

AND JUST AS I
ADMITTED -- THOSE
NEWS ITEMS HAVE
GIVEN ME THE
INFORMATION I
NEED TO BREAK
OUT OF HERE!



WALK BACK IN THE CLASSROOM. A SUDDEN FAMILIAR WHOOOSH SOUND HAS BEEN FOLLOWED UP BY A SPECTACULAR ENTRANCE...



SUPERMAN! ARE WE GLAD TO SEE YOU!

I WISH I HAD GOOD NEWS TO REPORT... BUT SO FAR, I HAVEN'T TURNED UP ANY TRACE OF SUPERVILLAINS!

WELL, THEN... YOU SURE CAME TO THE RIGHT PLACE!

AND AS ALEC, SHARMA AND MS. WILSON TELL THE MANY OF THEM ALL ABOUT THEIR COMPUTER-CONVERSATION WITH SUPERVILLAINS...



THE PEOPLE PALACE - I REMEMBER THAT BUILDING AND MONUMENT. I COULDN'T FIND ANY - IT'S IN A REMOTE AREA MILES OUTSIDE THE CITY LIMITS!

ALL READY FOR AHEAD TO BE EXACTLY

SUPERVILLAINS BEEN DEPRIVED OF HER ADVANTAGE - AND SHE'S DROPPED INSIDE THE PLACE!

THEN THIS IS DEFINITELY A JOB FOR SUPERMAN! YOU'LL HAVE TO BRIDGE HIS FRIENDS

GO TO IT, SUPERMAN!

YEAH! TELL THE BOY GUYS ALEC SENT YOU!



AND FASTER THAN YOU CAN SAY WINKER TWINK A SPEEDING BUZZET ...



SO FAST? HOW IT HAVE DONE -- SPECIAL SOLAR PANELS DESIGNED TO CONVERT THE SUN'S YELLOW RAYS INTO RED RAYS... TO NULLIFY A VILLAIN'S SUPER-POWERS!

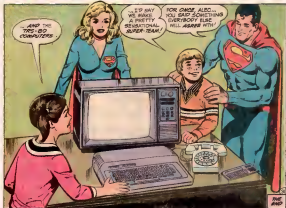
SOMEBODY TURNED THE PEOPLE PALACE INTO A 'COMMON PRISON'!



AND SLIPPING BY THE SUPER-SENSITIVE SENSOR IT COULD TAKE TO PULL OFF SUCH A STUNT - I THINK I KNOW WHO THE GUY IS!

SUPERMAN... DOWN HERE!





STUDENT'S GUIDE TO COMPUTER TERMS

Brief definitions of terms frequently used in describing educational and business computer work.

BASIC	Beginners' All-purpose Symbolic Instruction Code, a widely-used programming language
BINARY	A numbering system using only two digits, 0 and 1
DIT	The smallest unit a computer circuit can recognize
BYTE	A combination of 8 consecutive binary digits
CASSETTE	An information storage medium composed of magnetic tape on a spool enclosed in a plastic case
CONTROL	That section of a computer which directs the activity of all other sections
COURSEWARE	Educational Programs (software) for teaching different subjects
DATA	The information a computer can process
ENTER	The last key on a keyboard that must be pressed to enter data into the computer
FLOPPY DISC	Flexible magnetic disc used for storage of information
INFORMATION RETRIEVAL SYSTEM ..	A system using a TRS-80 Color Computer and Telephone interface II, or a TRS-80 Videotex terminal with a color or black and white TV set to access all kinds of information through a cable information service
INPUT DEVICES	The keyboard, or a cassette tape player, are used to feed data into a computer memory section
INTERFACE	An electronic or electrical link which permits different types of systems to work together
LINE NUMBER	In an example of BASIC programming it reads like this: 20 PRINT "COMPUTER TEST"
MEMORY	The section of a computer used for storage of information (also called data)
OUTPUT DEVICES	A cassette tape recorder records, and the video monitor (TV) displays on its screen, or a line printer prints on paper, the output (answers) from the computer
PRINT, LET, GOTO	These terms are examples of BASIC program statements
PROGRAM	The set of instructions a computer follows to process and deliver its answer or information requested by the operator
RAM	Random Access Memory
ROM	Read Only Memory
RUN	The word which must be typed on the keyboard into the computer to start it processing an answer or information requested from its "program"
SOFTWARE	Programs with instructions the computer must follow for different kinds of work



150-in-1 Electronic Project Kit

The big one! Build AM radio, telegraph, computer circuit, lots more! Parts connect with spring-clip. With earphone, illustrated manual. Requires 9V and 2 "AA" batteries. #28-248, \$29.95



Solar Energy Lab Kit

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My TRS-80 Likes Me is an exciting introduction to BASIC programming. It's an easy-to-understand instructional aid and resource guide for the elementary teacher.



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listing current hardware and software designed for secondary and college levels for classroom use by all teachers regardless of their knowledge of microcomputers and programming skills.



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SCHOOL _____ SCHOOL ADDRESS _____

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